

TIM HEALY

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EDUCATION

M.S. Mathematics | Johns Hopkins University | Baltimore, MD | Sep 2016 - Dec 2019

Coursework: Probability Theory, Mathematical Statistics, Ordinary Differential Equations, Matrix Theory, Neural Networks, Theory of Statistics I & II, Data Mining, Stochastic Differential Equations, Computational Statistics

B.A. Economics | Virginia Tech | Blacksburg, VA | Sep 2007 - May 2011

Minor: International Studies, VP of Economics Club, Runner Up in Monetary Policy Competition at the Richmond Federal Reserve

EXPERIENCE

Data Engineer | Verizon Media | Sunnyvale, CA | Jul 2018 - Present

Architect, develop, and deploy scalable, reliable, and computationally efficient data pipelines in support of analytics products.

- Transferred 30TB Vertica database to Hive, migrating ~75 custom built Python ETL processes off of physical data center to a containerized CI/CD deployment of Airflow running on AWS, increasing operational efficiencies.
- Developed web service to serve Ads dynamically within email marketing campaigns, using Java-based web servlets deployed on kubernetes with a redis and NoSQL based back-end, driving \$10MM in additional annual revenue.

Lead Analyst | Verizon Media | Baltimore, MD | Apr 2017 - Jun 2018

Scaled analysis to drive business decision-making and improvements of processes across Verizon's advertising platforms.

- Created automated method of classifying websites with Python to package inventory for advertisers, driving a 5% increase in spend on the platform.
- Built and managed Tableau dashboards integrated with ad platform SQL databases to support support sales goal tracking, publisher account management, and executive business review meetings.

Senior Analyst | Terraform Power | Washington, DC | Jul 2016 - Mar 2017

Developed a financial forecasting application for a \$6 billion fleet of wind & solar power plants, supporting operations analytics and capital raising.

- Collaborated with functional groups to gather power-plant level forecasting assumptions, and led team of eight Oracle engineers developing the model, providing functional requirements and validation support.
- Resulting model drove the eventual \$656MM acquisition of Terraform by Brookfield Asset Management.

Capital Markets Analyst | SunEdison | Washington, DC | Nov 2014 - Dec 2015

Financial modeling to support over \$1B of corporate capital raising with investment banks.

Credit Analyst | Constellation Energy | Baltimore, MD | Aug 2011 - Oct 2014

Credit and risk analysis of counterparties engaged in energy commodities transactions.

SKILLS & PROJECTS

Python, Java, R, Matlab, PL/SQL, Hadoop, Bash Scripting, Linux, Docker, AWS, Agile/Scrum

Developed backend web scraper for www.atthletics.com, a college football pick-em game with 100+ users. Built a Python AWS Lambda function loading data to S3 and a MySQL database.